

ALL INFORMATION CONTAINED

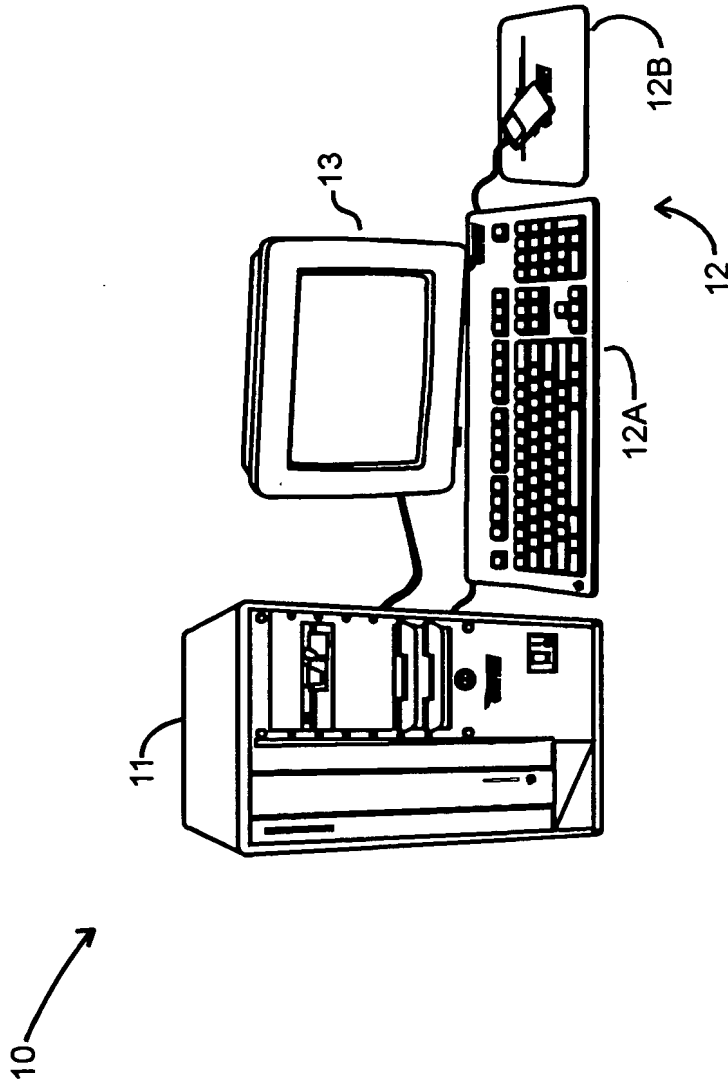


FIG. 1

3

14

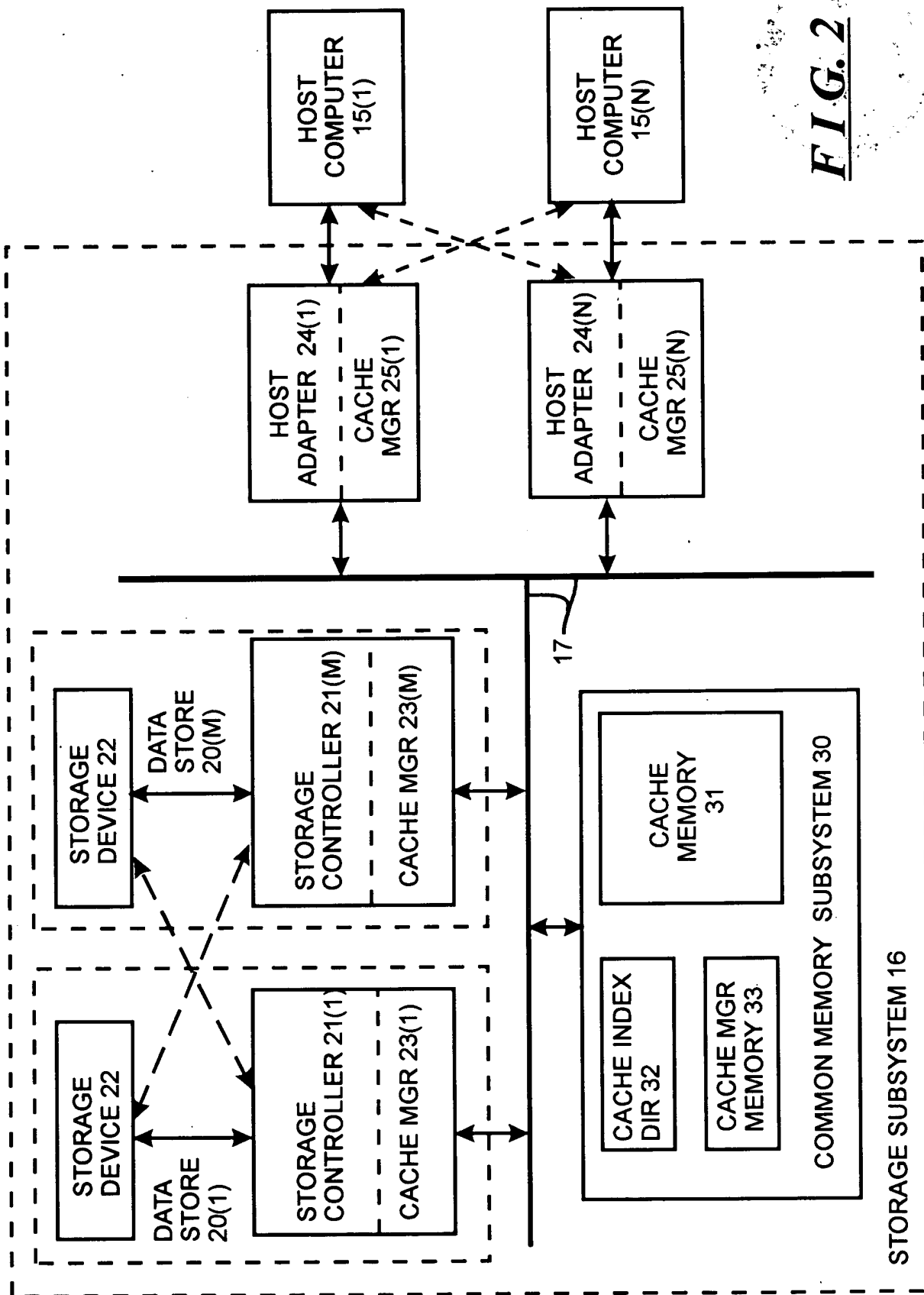


FIG. 2

100. CACHE ASSESSMENT SYSTEM 10 COLLECTS THE OPERATIONAL STATISTICS DURING OPERATION OF THE DIGITAL DATA PROCESSING SYSTEM 14 OVER A SELECTED TIME PERIOD



101. CACHE ASSESSMENT SYSTEM 10 APPLIES THE STATISTICS TO THE APPROPRIATE EQUATION DEPENDING ON THE SELECTED MODEL, FOR VARIOUS SIZES "S" OF CACHE MEMORY 31 TO GENERATE RESPECTIVE PREDICTIONS AS TO THE NUMBER OF READ MISSES FOR EACH OF THE RESPECTIVE CACHE SIZES "S"



102. BASED ON THE RESPECTIVE PREDICTIONS, THE CACHE ASSESSMENT SYSTEM 10 OR THE OPERATOR CAN DETERMINE WHETHER TO ADJUST THE SIZE OF THE CACHE MEMORY 31 AND, IF SO, INITIATE OPERATIONS TO ENABLE THE SIZE ADJUSTMENT TO OCCUR.

FIG. 3